

**ABSTRACT OF THE DISCLOSURE**

The present invention is directed to an oil burner system having an electric cord set coupled between a controller and a valve associated with a pump. The electric cord set is operable to activate a solenoid valve associated with the

5 pump for delivery of fuel oil to a nozzle of the burner. The electric cord set comprises a voltage or temperature independent timer circuit operable to activate the solenoid valve a predetermined period of time after a call for ignition signal is generated by the controller, wherein the predetermined time period is

10 substantially constant with respect to variations in line voltage or in an ambient temperature in which the oil burner system resides.

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